

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A An isolated and purified polypeptide comprising an enzyme activity, wherein the enzyme activity the following physicochemical properties (1) to (5):(1)It asymmetrically reduces N-benzyl-3-pyrrolidinone to produce (S)-N-benzyl-3-pyrrolidinol with NADPH as a coenzyme;(2)Optimum, wherein the enzyme activity has an optimum action pH: of 4.5 to 5.5;(3)–, an optimum Optimum action temperature: of 40°C to 45°C;(4) and, a molecular Molecular weight: of Aabout 29,000 as determined by gel filtration analysis and about 35,000 as determined by SDS-polyacrylamide gel electrophoresis analysis; , and(5) Inhibitor: wherein the enzyme activity It is inhibited by the divalent copper ion.
2. (Currently amended) A An isolated and purified polypeptide comprising described in the following (a) or (b):
 - (a) A polypeptide having the amino acid sequence shown under SEQ ID NO: 1 in the sequence listing; or
 - (b) A polypeptide having an amino acid sequence obtainable derived from the amino acid sequence shown under SEQ ID NO: 1 in the sequence listing by substitution, insertion, deletion and/or addition of one or more amino acids, wherein the polypeptide possesses and having an enzyme activity in comprising asymmetrically reducing N-benzyl-3-pyrrolidinone to produce (S)-N-benzyl-3-pyrrolidinol.
3. (Currently amended) The polypeptide according to Claim of claim 1, wherein the polypeptide which is derived from a microorganism belonging to the genus Micrococcus Micrococcus.
4. (Currently amended) The polypeptide according to Claim of claim 3, wherein said the microorganism is the strain Micrococcus luteus Micrococcus luteus IFO 13867.
5. (Currently amended) An isolated and purified DNA molecule coding for the polypeptide according to Claim of claim 1.

6. (Currently amended) An isolated and purified DNA molecule coding for a polypeptide having wherein the polypeptide comprises an enzyme activity in comprising asymmetrically reducing N-benzyl-3-pyrrolidinone to produce (S)-N-benzyl-3-pyrrolidinol, and wherein the DNA molecule hybridizing hybridizes with a DNA having to a nucleotide comprising sequence shown under of SEQ ID NO: 2 in the sequence listing under stringent conditions.

7. (Currently amended) An isolated and purified DNA molecule coding for a polypeptide, wherein the polypeptide possesses having enzyme activity in comprising asymmetrically reducing N-benzyl-3-pyrrolidinone to produce (S)-N-benzyl-3-pyrrolidinol, and wherein the sequence of the DNA molecule has having at least 60% sequence identity with a nucleotide sequence shown under to SEQ ID NO: 2 in the sequence listing.

8. (Currently Amended) An expression vector containing comprising the isolated DNAs molecule according to Claim 1 of claim 5.

9. (Currently amended) The expression vector according to Claim of claim 8, wherein the vector which is a plasmid pTSBH.

10. (Currently amended) The expression vector according to Claim of claim 8, wherein the isolated DNA molecule codes which contains a DNA coding for a polypeptide having glucose dehydrogenase activity.

11. (Currently amended) The expression vector according to Claim of claim 10, wherein said the polypeptide having glucose dehydrogenase activity is a Bacillus megaterium Bacillus megaterium-derived glucose dehydrogenase.

12. (Currently amended) The expression vector according to Claim of claim 11, wherein the vector which is a plasmid pTSBG1.

13. (Currently Amended) A transformant containing comprising the expression vector according to Claim 1 of claim 8.

14. (Currently Amended) A transformant containing both the expression vector according to Claim 1 of claim 8 and an expression vector containing a DNA molecule coding for a polypeptide having glucose dehydrogenase activity.

15. (Currently amended) The transformant ~~according to Claim of claim~~ 14, wherein said the polypeptide having glucose dehydrogenase activity is a *Bacillus megaterium* *Bacillus megaterium*-derived glucose dehydrogenase.

16. (Currently amended) The transformant ~~according to Claim of claim + 13~~, wherein a host thereof is *Escherichia coli* *Escherichia coli*.

17. (Currently amended) The transformant ~~according to Claim of claim 16, wherein the host which is *Escherichia coli* *Escherichia coli* HB101 (pTSBH)~~.

18. (Currently amended) The transformant ~~according to Claim of claim 16, wherein the host which is *Escherichia coli* *Escherichia coli* HB101 (pTSBG1)~~.

19. (Currently amended) The transformant ~~according to Claim of claim 16, wherein the host which is *Escherichia coli* *Escherichia coli* HB101 (pTSBH, pSTVG)~~.

20. (Currently Amended) A ~~production~~ method of producing (S)-N-benzyl-3-pyrrolidinol comprising:

~~a step of a)~~ reacting the transformant ~~according to Claim of claim + 13~~ and/or a treated product thereof with N-benzyl-3-pyrrolidinone, and

~~a step of b)~~ harvesting the ~~thus produced~~ (S)-N-benzyl-3-pyrrolidinol produced in a).

21. (Currently amended) The method ~~according to Claim of claim 20~~, wherein the step of reacting is carried out in the presence of a coenzyme regenerating system.

22. (New) An expression vector comprising the isolated DNA-molecule of claim 6.

23. (New) An expression vector comprising the isolated DNA-molecule of claim 7.